

Title (en)

Ethylene homopolymer and its molded article

Title (de)

Ethylen-Homopolymer und daraus hergestellte Formteile

Title (fr)

Homopolymère d'éthylène et articles moulés préparés avec celui-ci

Publication

**EP 0985687 A1 20000315 (EN)**

Application

**EP 99115932 A 19990813**

Priority

JP 25342298 A 19980908

Abstract (en)

Provided are an ethylene homopolymer having well-balanced properties of good heat resistance, good heat-sealability and good moldability, and its molded articles. The ethylene homopolymer is characterized in that the number of butyl branches per 100 methyl branches therein falls between 1 and 20, as measured through <sup>13</sup>C-NMR, that its density, d (kg/m<sup>3</sup>), falls between 880 and 980, and that the density, d, and its melting point, T<sub>m</sub> (°C), satisfy the conditions defined by the following formulae (1) to (3): 
$$\frac{d}{T_m} \geq 0.001$$
 The ethylene homopolymer is molded into moldings.

IPC 1-7

**C08F 110/02**

IPC 8 full level

**C08F 4/70** (2006.01); **C08F 110/02** (2006.01)

CPC (source: EP US)

**C08F 10/00** (2013.01 - EP US); **C08F 110/02** (2013.01 - EP US)

Citation (search report)

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